

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 073 25942

Approval Date: 02/26/2018  
Expiration Date: 08/26/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 19N Rge: 5W County: KINGFISHER  
SPOT LOCATION:  SW  SE  NE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 1410 2225

Lease Name: CROOKED CREEK CLEVELAND UNIT Well No: 1-5H Well will be 1410 feet from nearest unit or lease boundary.  
Operator Name: BLAKE PRODUCTION COMPANY INC Telephone: 4052869800 OTC/OCC Number: 18119 0

BLAKE PRODUCTION COMPANY INC  
1601 NW EXPRESSWAY STE 777  
OKLAHOMA CITY, OK 73118-1446

JENAE SWART  
608 REDFORK DRIVE  
HENNESSEY OK 73742

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 CLEVELAND	5675	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 410744

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 10754

Ground Elevation: 1025

**Surface Casing: 420**

Depth to base of Treatable Water-Bearing FM: 370

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 6000 Average: 4000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: FAIRMONT

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-33955

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

HORIZONTAL HOLE 1

Sec 08 Twp 19N Rge 5W County KINGFISHER

Spot Location of End Point: S2 S2 N2 S2

Feet From: SOUTH 1/4 Section Line: 1490

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 5135

Radius of Turn: 573

Direction: 175

Total Length: 4719

Measured Total Depth: 10754

True Vertical Depth: 5675

End Point Location from Lease,  
Unit, or Property Line: 170

Notes:

Category

Description

HYDRAULIC FRACTURING

2/26/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

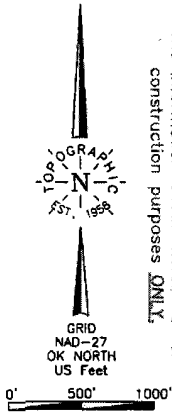
2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

SPACING - 410744

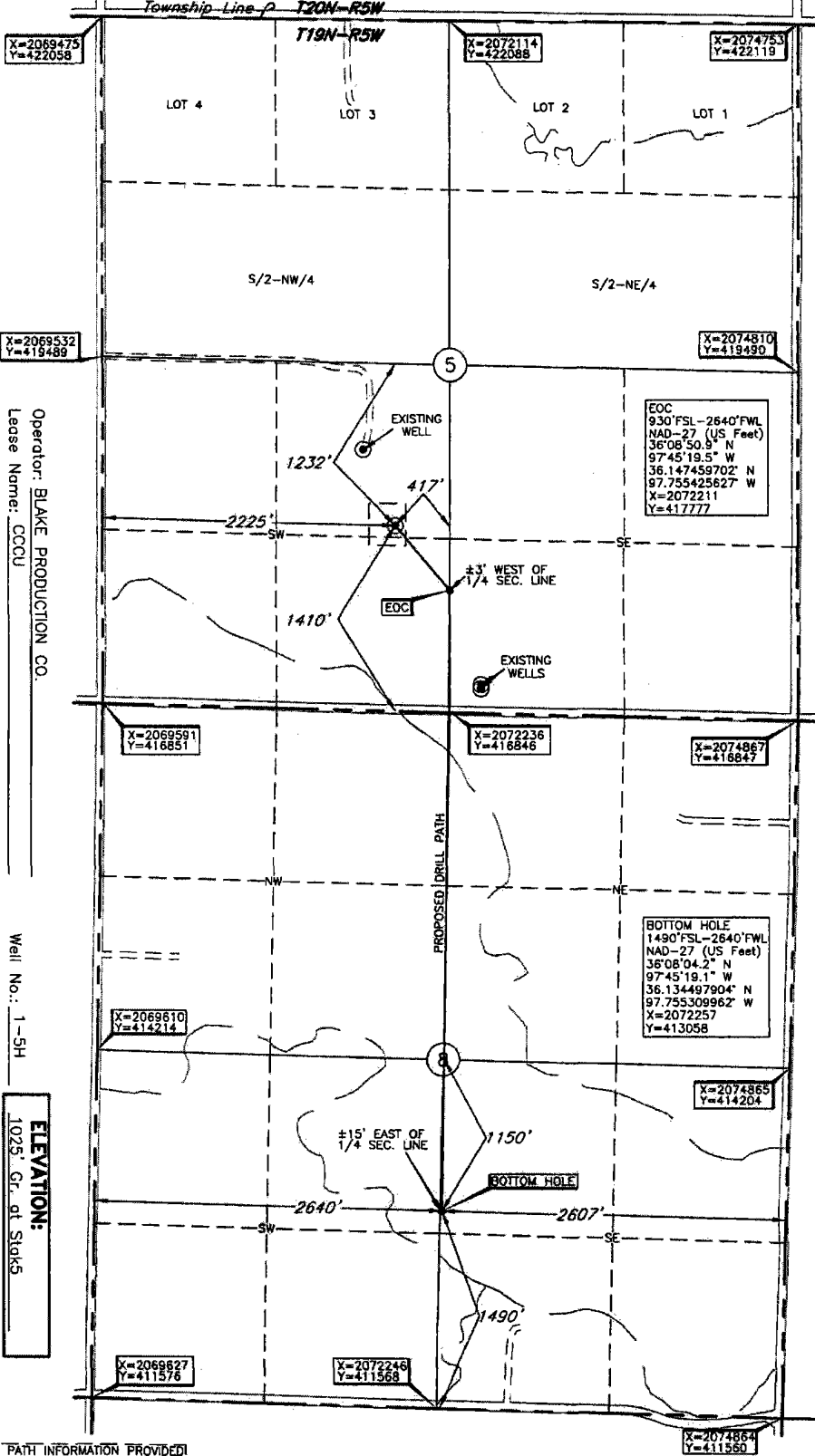
2/26/2018 - G75 - (UNIT) 5 & N2, N2 S2 8-19N-5W  
EST CROOKED CREEK CLEVELAND UNIT FOR CLVD

KINGFISHER County, Oklahoma  
 1410' FSL - 2225' FWL Section 5 Township 19N Range 5W I.M.



**NOTE:**  
 The information shown herein is for construction purposes ONLY.

Operator: **BLAKE PRODUCTION CO.**  
 Lease Name: **CCCU**  
 Topography & Vegetation: Loc. fell in sloped pasture  
 Good Drill Sites? Yes  
 Reference Stakes or Alternate Location: Stakes Set  
 Best Accessibility to Location: From West of county road  
 Distance & Direction from Hwy Jct or Town: From Hennessy, OK, go E 7.5 mi. East on St. Hwy. 51, then E 2.0 mi. North to the SW Cor. of Sec. 5-T19N-R5W



Well No.: 1-5H  
**ELEVATION:**  
 1025' Gr. at Stakes

EOC, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: Feb. 12, 2018

Invoice # 288208 Date Staked: Feb. 07, 2018 AC

DATUM: NAD-27  
 LAT: 36°08'55.6"N  
 LONG: 97°45'24.7"W  
 LAT: 36.148783320° N  
 LONG: 97.756864254° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: OK NORTH  
 X: 2071785  
 Y: 418257

**CERTIFICATE:**

I, Thomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

*Thomas L. Howell*  
 Oklahoma Lic. No. 1433

